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NOVEMBER 1891.

Maryland Farmer

AND

NEW FARM.

OUR 28TH YEAR.

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BALTIMORE, MD.



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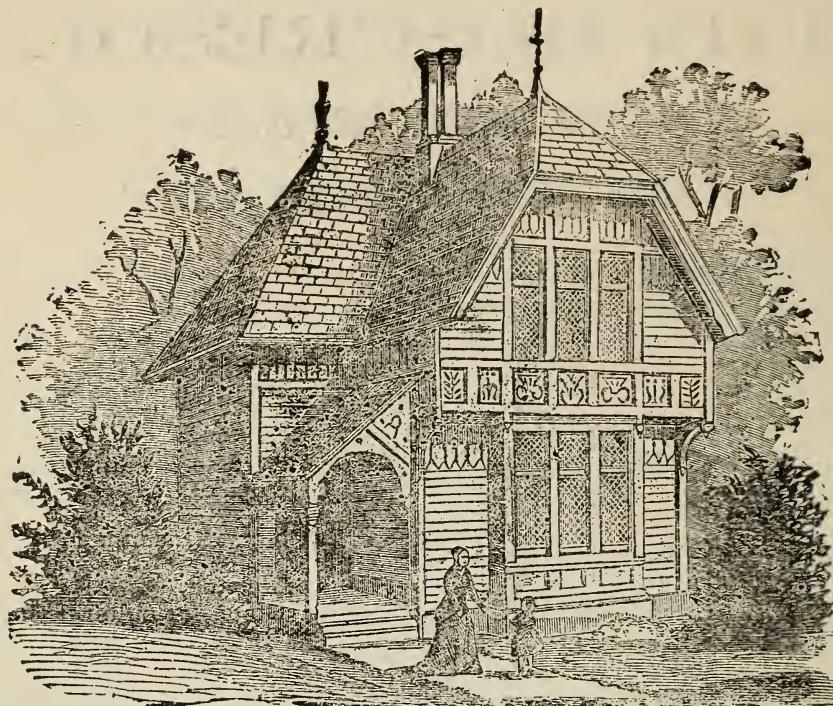
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AND NEW FARM.

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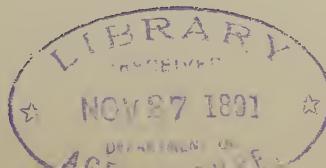
THE OLD FASHIONED KITCHEN.

BY F. H. CURTISS.

HOW dear to my heart are the days of my boyhood !
What chestnuts arise as I call them to mind !
The buttery, the cellar, the big pile of cordwood,
And the old chopping block with the kindlings behind.
The wide opened farm-yard, the milking-stool by it ;
The cow—on her neck hung a discordant bell ;
The barn and the cow house, the chicken roost nigh it,
The apple tree—out of its branches I fell—
Near the old fashioned kitchen, the gable roofed kitchen,
The old fashioned kitchen built on in an L.

To hie to that kitchen I deemed it a pleasure,
For often at noon, when returned from the shop,
I found on the table a half gallon measure
Filled up to the brim with cold butter-milk pop.
How ardent I seized it, there's really no knowing,
How quickly I drank it I hardly can tell ;
Then soon, with the butter-milk down my chin flowing,
In a manner on which I dislike now to dwell,
I skipped from that kitchen, that old fashioned kitchen,
That old fashioned kitchen built on in an L.

—Good Housekeeping.



For The Maryland Farmer.

OUR NEW FARM, XXVII.

ABOUT ORCHARDS.

VARIOUS memories, all connected with each other have conspired to make me forget to keep in view the order of work as to time; but young people's love affairs are always more or less interesting and sometimes a little distracting, so that the reader will excuse me.

I will go back, therefore, to the planting of my orchards and the various circumstances connected with that work.

Like all beginners in the country we had very much to learn; and the very first summer brought us a great variety of experiences. We had of course read newspapers devoted to farming, for some time, with the view of moving into the country; but we found the theory and the practice quite at variance.

The idea of building up a fruit farm had taken possession of us very early in our talk about going into the country. My good wife had said:

"You know, father, you are not used to the hard work of a farm, and I think if we had large orchards of fruit, you would not have to work so hard as when you raise fields of grain and corn, and cut hay and feed cattle and all that kind of work."

Now I generally agree pretty well with my wife, and so we gathered all the items we could about fruit; and there was quite a fascination in the employment.

She said:

"You could get along very well for a few years with vegetable crops until the

fruit began to come forward and I am sure daughter and I need not be extravagant in our living in the first few years."

This made me laugh, for the idea of extravagance never once connected itself with Mrs. and Miss Green. There was therefore a hearty reply for these words, and I said:

"If it all depended on you, my wife, I am sure we could get along without any trouble. But we must have something to make our lives comfortable and a few of those things which are not absolute necessities, even in the very beginning of a country life."

Then daughter said:

"I am sure we can go without many things for the sake of helping to get fruit on the farm, and to make the work in the future easier for all of us."

This idea had, therefore, a strong hold of us and we were mindful of this among the very first journeys we took around the farm. The great purpose were to lessen labor and provide a permanent income for our old age.

Reading convinced us that it was about as well to plant out trees in the fall as in the spring, and also that northern grown stock was better than that of the immediate neighborhood. I don't believe that now. It may be just as good; but certainly it is no better. Yet I thought at the time it would be best to get our trees from the North.

Coming into the house one morning about ten o'clock, I found there a well dressed young man talking to my wife

and daughter about fruit and fruit trees and fall planting of orchards. On my entrance, he introduced himself as Mr. Thompson, agent for the Rochester nursery of Elwanger & Barry and the Geneva nursery of Smith.

The idea of representing two nurseries struck me as rather strange, and I asked the reason of this.

He said :

"Each of these nurseries has special stock which cannot be purchased anywhere else; so I have to get some of both."

Then he opened his valise and took out the books of plates and placing them on the table, said:

"This one is the fruit of the Rochester nursery and this other is the fruit from the Geneva nursery, and the Pears, cherries, and small fruits are from the Rochester nursery."

I was not well enough posted on these things to understand the absurdity of this; for we had not as yet sent for the various catalogues.

Well, the plates were beautiful. Each page was the picture of an ideal apple, or pear, or plum, or quince, or cherry, or peach, and we already saw the trees loaded with such fruit as would be a perpetual delight to us.

The exclamations were "What beauties!" "Luscious!" "Do you warrant they will be like that?"

And the answer of Mr. Thompson was :

"Oh, not all like that, of course; but most of them would be like that."

The final result was that Mr. Thompson got an order for about a hundred trees—a variety of fruits; but I specified in the order that they were to be supplied by

Elwanger & Barry, and I took a duplicate of the order certified to by J. S. Thompson, Agent for Elwanger & Barry.

I had very indistinct ideas about the proper way of planting orchard trees, the distance apart, and imagined that no preparation of the soil was necessary. So after a long talk with wife and daughter, and several tramps over the farm, it was decided to continue the trees along the present apology for an orchard, and to lay out about two acres in orchard over in the sheep pasture—which was then only talked about as a sheep pasture the sheep not having been obtained.

It was with considerable hesitation that we made up our minds to go and talk with Mr. Camden on the subject and to visit his orchard. I found his apple trees about twenty feet apart and I thought they were very much crowded. I went then over to Mr. Burns, and I found his trees about fifty feet apart and although large trees the space did not seem fully occupied. However, I reflected that I had plenty of land and would place my trees about forty feet apart.

One day, I had Charley bring an armfull of stakes into the field and his ten foot pole, and we worked diligently most of the day in marking out the land for the orchard and driving in the stakes forty feet apart.

Our two acre field in the sheep pasture had fifty six trees allotted to it, and the stakes looked very wide apart I assure you. The addition to the old orchard, which was a very straggling concern from death and neglect, was made on the same principle.

The weeks passed by, and every time I thought of that agent I would ask myself,

"Is it all right?" Then I would reflect that Mr. Caunden had ordered ten choice trees of him and Mr. Burns had ordered four, and why should I think anything wrong? But it came back upon me again and again.

So one evening as we sat on the porch in our rocking chairs I said :

"Mother, I have felt anxious about our order for the orchard. I have just read in the MARYLAND FARMER, that it is always best to visit some reliable nursery near home and pick out the trees, for there are great risks which it takes years to determine."

Then wife said :

"I thought you said the Rochester men could be relied upon to send you what you ordered."

I answered :

"Yes, but the trouble in my mind is whether the agent was all right."

She said :

"Oh, you can easily find out about that; write to Rochester and then you will soon know."

Then I spoke up :

"That's so. There is nothing like having a clear headed wife to give advice and help one out of perplexity."

I sat down at once and wrote on a postal card as follows:

"J. S. Thompson, representing himself as Agent of Messrs. Elwanger & Barry of the Rochester Nurseries, received an order from me for 117 trees. Is it all right? Have you the order in hand? Will I receive them for fall planting? Yours, &c., John Green." I directed this to "Messrs. Elwanger & Barry, Rochester, N. Y."

In about five days I received an answer;

"Mr. John Green, Dear Sir:—We

have no Agent named J. S. Thompson, and have not received your order. If you can secure the swindler we will be at the expense of punishing him."

This gave me a great deal of anxiety; for what were we to do? The trees would come by express "C. O. D." I immediately wrote to the Geneva Nursery and in due time received a similar answer. They had no such Agent, and the trees would probably be worthless.

I concluded to refuse the trees. I immediately called upon my neighbors who had ordered, and showed them the letters I had received. They said they had only ordered two or three trees, and thought it would be best to pay rather than risk a law suit. But I said :

"No. I have ordered largely. My bill is over seventy dollars. Besides it will be years before I can repair any damage from planting those trees if they prove worthless in the end. I will risk a law suit. Then these men in Rochester and Geneva will be glad to get hold of this Thompson."

I talked the matter over with my wife, and she did not like the idea of a law suit about a few trees; but I was firm.

When the trees arrived at the express office, I showed the agent my letters and my agreement of purchase, and then gave him a written notice that it was a fraud and that the goods were refused. The Express Co., immediately communicated with Messrs. Elwanger & Barry and word was duly received that they had shipped no goods to Mr. John Green.

My neighbors allowed their trees to remain at the Express office until the Agent received the word from New York and then they refused their trees.

A few weeks subsequently I received

a threatening letter from New York City, from a lawyer. I took no notice of it and there the matter ended.

But I did not set out any orchard that Fall; except an acre of Quince sprouts from two bushy trees in the garden.

For some weeks wife and daughter feared that I might be troubled by this threatened law suit; but I told them I did not think that letter was from any lawyer; but only a "make-believe" to try and frighten me.

The next Spring, early, I called upon the nurserymen in Baltimore, Wm. Corse & Sons, and Franklin Davis & Co., and made my arrangements for my trees.

During the winter I had changed my plans a little. I had, after much talk, decided to set out a large orchard of peaches, about one thousand trees; about two hundred apple trees, fifty pear trees, thirty quince trees, ten plum trees and ten cherry trees.

The peach trees were set out twenty feet apart; the apples forty feet apart; the pears, quinces and plums fifteen feet apart; and the cherries were scattered in different localities about the grounds in the rear of the house.

I visited the nurseries, where I was treated with the utmost kindness and attention; saw how the different trees were labeled to avoid mistakes; and felt well satisfied that I was to get whatever my order demanded.

At this day I can truly say that my experience in buying trees is in favor of dealing first hand with the nurseries. Even then some mistakes will occur; but no intentional frauds will trouble the buyer.

These orchards are in good part realizing the anticipations with which they

were planted. Although I have continued the small fruits, the vegetable gardens, the poultry and sheep, the sweet corn crop and the sweet potatoes, I am gradually preparing to use those only to supplement the fruit crop, and to guard against those occasions when the fruit shall be a failure.

The fact that there will be years, in despite of the utmost care, when fruit fails, will always render it a necessity that other market crops be provided, to secure a certainty of some income.

As I now look out upon these orchards and see James and my daughter walking beneath the trees, enjoying at the same time the shade, the conversation and the most delicious fruits—or as, with my dear wife beside me, I am able to realize the delights of these rambles, my heart grows young once more, and I am truly thankful for the blessings of the country life on Our New Farm.

(To be continued.)

DIFFERENT COLORS OF GOLD.

MOST PEOPLE SUPPOSE, says an assayer, that all gold is alike when refined, but this is not the case. An experienced man can tell at a glance from what part of the world a gold piece comes, and in some cases from what part of a particular gold district the metal was obtained.

The Australian gold for instance, is distinctly redder than the Californian, and this difference in color is always perceptible, even when the gold is 1000 fine.

Again, the gold obtained from the placers is yellower than that which is taken directly from quartz. Why this should

be the case is one of the mysteries of metallurgy, for the placer gold all comes from the veins. The Ural gold is the reddest found anywhere.

Few people know the real color of gold, as it is seldom seen unless heavily alloyed, which renders it redder than if pure. The purest coin ever made were the \$50 pieces that used to be common in California.

Their coinage was abandoned for two reasons; first, because the loss by abrasion was so great, and secondly, because the interior could be bored out and lead substituted, the difference in weight being too small to be readily noticed in so large a piece. These octagon coins were the most valuable ever struck.

For The Maryland Farmer.

A POULTRY FARM.

Mr. Editor:—I am not at all skilled in writing; but I have seen lots written about large farms of poultry and printed, as if no one had any poultry in large bunches except a few who are puffed in the papers. Now, I've got a few chickens and ducks as well as those other fellows who make such a noise about it, and I think if you're willing I will write a little about them.

My farm has in it a little more than a hundred acres and all I grow, except for my family and the horse, cow and hogs, I grow for the poultry—likewise I buy considerable stuff that I can't grow on my place to any advantage.

I am now keeping twelve thousand chickens and seven thousand ducks and I employ three men to take care of them besides my two sons. All the papers are writing about keeping chickens so I don't

care to write on that; but I will say, in my opinion most of what is written is all "bosh." I don't believe in "fussing" as much as the books and papers would have you—not by a long shot. I have my team go to the hotels a few miles from my farm every morning and get all their scraps, which I feed to my poultry, dividing it about equally between the chickens and ducks. Then I feed the chickens bran, oats, and corn, and let them go. I clean out their houses every day and use plenty of white wash once a month.

Chickens do very well, but ducks are my poultry every time and chickens are "no where." I divided my farm in two parts and give one half to my seven thousand ducks and let the chickens have the other half. My duck half pays about twice as much as my chicken half, and I have about made up my mind to sell out my chickens and go into duck raising altogether. I have now about twenty thousand head of poultry, but if I had fourteen thousand ducks and about one thousand chickens I would make more money and have less work and less trouble.

The ducks have eight open sheds, five hundred feet long divided into separate homes every twenty feet, by partitions about two feet high. These sheds are built of rough boards altogether—not a joist nor plank about them. I used sixteen foot fence boards six inches wide and nothing else. I made them with a saw, a hatchet and a hammer and ten-penny nails. Anybody can do that.

In the winter I surround all these sheds with corn stalks to ward off the cold winds—that is all the extra protection I give them, except I have doors

which every night are set up at the openings not covered by the corn stalks.

Ducks are hardy and not half as many die young as do chickens. I keep them from swimming and out of the wet until they get strong and well feathered, and they are not ever very fond of water, for there is little on our farm—only one or two little streams from the springs, a few inches deep and scarcely a foot in width.

They eat almost anything and thrive and grow fat where chickens would starve. The only great thing about it is to keep their homes clean and sweet and not to let them out until nine or ten o'clock in the morning.

All around the farm I have wire net fence of one and a quarter inch mesh 4ft high and the ducks never go off from the farm. Just before dusk I have one of the boys beat his drum down by the sheds and the ducks understand it as the signal to come home, and they hurry in troops, each family to its own home, and there they find their evening meal ready for them. Most of the year they only have this one meal supplied them and that's why they hurry so when the drum beats.

Now for the profit more than chickens: Well, I get more eggs from seven thousand ducks than from twelve thousand chickens, and I get more for them by the dozen.

The seven thousand ducks will weigh more and sell for more than the twelve thousand chickens—although my chickens are of good size. But I keep Pekin ducks and nothing else, and they do 'tell' when the time comes to sell them.

The feathers from my seven thousand ducks are worth almost as much as so

many chickens—to say nothing about the carcasses of the ducks. Then I can eat duck without becoming tired of it, oftener than I can eat chickens, and I suppose that is the case with others.—This makes the market for ducks better than for chickens.

But I'm afraid I've written more than enough for once, if you will be kind and correct it for the press; and if you think it worth printing, I will sometime give you an account of how I manage my ducks to make them pay, and to prevent infant mortality. I must only say here, that it is more important that ducks shall be kept clean than chickens.

Yours very respectfully,
JIM BROWN.

FORCEFUL PARAGRAPHS.

If one is inclined to melancholy he should go to a fair, listen to the fakirs and read the signs on their tents. If that does not raise a smile, nothing will. He is not advised, however, to go inside.—*Mass. Ploughman*.

We do not suppose that we are aware of all the capabilities of the pig. Among us he is treated as a rather dirty animal, which we keep from necessity as a source of food, and as seasoning for other foods.—*Mirror and Farmer, N. H.*

A man might as well throw away his pennies, his crusts, his table waste, his spare moments, all his good resolutions, as to waste his refuse in garden or farm.—*Germantown Telegraph*.

There is no better time in the whole year for setting small fruit plants than

Autumn. Plants so set and well protected during winter will start to grow with vigor in spring.—*Orchard and Garden.*

The old saying that “the best is the cheapest” was never more fully demonstrated than it is in the general cattle trade.—*Butchers’ Gazette.*

Experienced fruit growers as a rule prefer to buy small thrifty trees one year old from the bud in place of older ones.—*Times-Democrat.*

Pay attention to the fall pigs and see that they have proper food, if you want them to pay for their keep. Give also a supply of coal and wood ashes, lime and salt where they can have access to them at any time.—*Seedtime Harvest.*

It is astonishing that there are still men who are filled with the old Pagan prejudices against women, and this notion of her inferiority is nothing but a Pagan idea.—*Western Rural.*

Gambling at the fairs is being “jumped” upon on all sides. It has got to go. Any sort of gambling, under whatever glittering cover it may hide its head, is dangerous and damaging to the morals of young or old. Nor does it pay financially in the long run.—*Mass. Home and Farm.*

Off with the Horns.

Mr. James McKenzie had a valuable cow killed last week, by being gored by another while in pasture.—*Frederick News.*

For the Maryland Farmer.

HEALTH-GIVERS.

BY DR. CRACE-CALVERT.

IT IS A GREAT fruit year and a judicious use of fruit will enable you to do without us doctors. To be sure we doctors are some of us sorely in need of the cash to pay our daily expenses; but that does not prevent me from saying my say.

I would rather you should not get sick and so I shall tell you how best to avoid it. There will always be fools enough who will disregard all that is told them, to support a reasonable number of doctors who may honestly desire that they should not be needed.

The use of good ripe fruit, free from imperfections and not having the first symptom of decay, is one of the prime sources of health. But you had better go without fruit than to eat that which has even a small portion of rot.

Disease is a strange thing and is often induced by associations; or by partaking of that which has the germs of disease within it. Unripe fruits, or over ripe fruits, or decayed fruits are the source of much suffering; while ripe fruits, sound and perfect, bring a great power to all the human organs and are just what is needed.

It is astonishing how many diseases are associated with the stomach and what people put in it. That is the reason why doctors are forced to give so much medicine. That stomach is at the bottom of it all. If we could only regulate the stomach, all other parts of this bodily organism would flourish and only old age would be the cause of our taking off. Even now the average duration of life is

much greater than it was fifty years ago.

In my opinion the great regulator of the stomach is good ripe fruit. And fruit is such a favorite article of diet, that he is a very short sighted man who will prefer to spend dollars for a physician, when often a few cents spent for fruit would do the work ten times better than the doctor would do it.

I acknowledge a good part of my property has been secured by attendance on the stomachs of individuals—and I believe that a sensible observance of nature's demands for fruit would have been all that was needed in a majority of the cases. Of course something more was finally required to remedy the neglect.

But the great health givers are fruits in the order in which they are given in the general course of the year, and it is wisdom to use them in preference to being forced to send for the doctor.

With fruits come also vegetables as great health givers. And among them all I would recommend two as having a great mission in this respect:—Beans and Onions. The Yankee baked beans make a dish not only palatable, but one that will generally cure the most serious cases of dyspepsia; and onions, either raw or cooked, make a fine stimulant without the reaction which attends most other stimulants. The prejudice against the onion will always be strong enough to enable the doctor to live comfortably upon the diseases which a liberal use of that would generally cure—as witnesses to which are general debility and a wide range of lung troubles.

But this is too large a subject for anything more than a few such suggestive thoughts in your magazine.

For The Maryland Farmer.

FACTS TO BE REMEMBERED.

Fast horses are always attracting attention; but a good general purpose horse is what is wanted on the farm.

A fast farm horse is one that walks fast and steadily when doing farm work, trotting moderately well on the road.

Don't think that beautiful things are always useless—whatever brings happiness to your home is useful—a garden of flowers is often better in this respect than an acre of wheat.

Grapevines on trees are generally more productive than those trained in a vineyard—why?—because they have plenty of space in which to flourish; they are not crowded.

Mutton and lamb are the safest meats for our tables, for disease lurks in beef and pork. Of poultry the duck stands number one.

Peaches have not been a profitable crop this year because too many were ready to market at the same season. The farmer who grows very late peaches has always a high price for them.

The leaves have held on 'till very late in this region, so that those who wait for their falling before transplanting will be anxious about success. Pluck off the leaves and then transplant and you are safe.

No better all round feed can be had on the farm than wheat bran—the horse, the cow, the chickens, the sheep and the hogs all thrive on it. At \$20 to \$30 a

ton it pays to buy it, if you are forced to buy any food.

Bees work when you are not watching them just as industriously as when you stand and watch. They are the best of hired help to gather up the sweets of the farm.

Give a hog clean quarters and he will not disappoint you, if you wish him to prove himself a clean animal: but invite him by a filthy pen and he will wallow in filth.

All things which make a happy home on the farm are valuable items for the farmer's reading—things allied to agriculture constitute everything in human experience.

Canning fruit in a season of plenty turns all the year into a season of enjoyment; but it will be a long time before canning will wholly take the place of dried or evaporated fruits.

If you want your paper to have an independent opinion and speak out regardless of opposition or favor, in your behalf, help it by your own subscription and by getting your neighbors to subscribe.

Big sounding words do not always contain wisdom; but the best learned use the simplest words so that a child can understand them. Scientific words obscure the meaning instead of enlightening the farmer.

Carbonaceous, nitrogenous, albuminoids, and all similar words are truly an abomination to the farmer not skilled in scientific terms, as well as to most of the parties who use them so frequently.

A horse trots a mile in 2.08}—Sunol—and it is heralded in every paper in the country; but, such a horse is good for little beside the race track and is the centre of the greatest gambling of the age.

Suppose you try to raise a race-horse; there is one chance of success out of every 100,000; but every time you try to raise an excellent farm horse you can succeed, and you escape the great anxiety that accompanies the attempt to secure the former.

A Money Maker.

It is so hard to get employment now and so hard to make money, that I know others would like to know how they can make a little money, as I have done. Tell your subscribers they can get all the jewelry, table ware, knives, forks and spoons they can plate, and make \$25 a week. The plating outfit costs \$5. I bought mine of H. F. Delno & Co., of Columbus, Ohio. It plates gold, silver and nickel. I did \$4.70 worth of plating the first day. The work is done so nicely that everybody seeing it wants work done. This machine is the greatest money maker I ever saw. Why should any one be out of employment or out of money, when they can by using my experience, always have money in the house and have a little to spend too? Any one can get circulars by addressing H. F. Delno & Co., Columbus, Ohio. K. JARRETT.

Man's Treasure.

"A good wife is a treasure, bat don't be in too much of a hurry to lay her up in heaven."

Too many farmers think this a desirable thing to do.

The men of the family have all manner of improved machinery to assist them, because, forsooth, the product of their toil can be converted into cash; but too often the women have no assis-

tance whatever of a mechanical nature, apparently because women are cheaper than machinery to a farmer's logical mind, while men are more expensive.

It is just as important to take care of a wife, sister or mother, as of yourself. Ten to one the woman would be missed from the home circle a great deal more than the man.

Men can be hired to do the work about a place, but no one can ever be hired to take the place of the wife or mother in the home.

Do all in your power to help her and keep her with you—the thousand unnoticed little things she does, you will miss when she is gone forever.

Articles from Milk.

“The first food of man” has been put to many uses and converted into many forms by human ingenuity, but its latest application is perhaps the most remarkable.

An inventor has just taken out a patent to protect a substitute for bone or celluloid, and the material which is to take the place of these substances is produced from milk. Caseine—the albuminoid substance in milk—is in the first place reduced to a partly gelatinous condition by means of borax or ammonia, and then it is mixed with mineral salt dissolved in acid or water, which liquid is subsequently evaporated.

The resulting product is called “lactites,” and can be molded into any desired form.

By the admixture of pigments or dyes any color may be imparted to it, but the creamy white color natural to the substance is most beautiful, being a very

close imitation of ivory. Combs, billiard balls, brush backs, knife handles and all other articles for which ivory, bone or celluloid are employed can be made of this new product of milk.

A company under the designation of “Lactile,” (limited) has commenced the manufacture of this milk ivory in Cheshire, Eng.

SHEEP.

Sheep husbandry is something like fruit growing; it is about the poorest kind of an occupation for a careless man. But the man who is diligent in business can make a higher percentage of profit with sheep than he can from mixed farming, and this will always be so, because the sheep business is not permanently attractive to the majority of farmers. It is not even necessary that a man should have a special knack or eye for judging sheep; if he is only thoroughly attentive to their wants he may be tolerably indifferent to “fancy points,” and yet make handsome profits.—*Amer. Sheep Breeder.*

Petted Beasts of Prey.

How custom has staled the public mind to the sanguinary truth with regard to the slaughter of sheep by dogs—whose champions, including societies ostensibly for suppression of cruelty to animals, haven’t an atom of justice in their line of argument—is forcibly illustrated by the *Vermont Chronicle*:

“In order to bring this subject fairly before your eyes, kind reader, please to reflect as to your emotions if you were credibly informed that semi-savage brutes

—as able to destroy or maim dairy cows as dogs are to afflict sheep—were to be introduced by dozens, and allowed to run at large in your neighborhood, and so all over the State. Would not your whole community arise with fire in every eye, as in the time when the Green Mountain Boys went out to meet Burgoyne and his raiding army?"

A generally ignored consideration is that of the demoralization of the hunted flock, even if perchance no blood be drawn; yet this is often nine tenths of all the damage inflicted by the canine raid. Another important fact is the deterrent effect produced on many farmers by the uncertainty which the dog terror introduces:

"Who wants to stock up with sheep, when he reasonably knows that some time, soon or late, his flock is sure to be victimized in this way? And, particularly, who is going to introduce high-priced new blood into his flock, knowing that within a week sheep costing up in the hundreds each may be killed or ruined, with only trivial compensation?"

Finally, as other domestic animals must be restrained from roaming at large, so also dogs should be kept strictly at home, instead of being permitted to range miles away from it by night and day; or otherwise be shootable at sight by any keeper of endangered sheep.—*N. Y. Tribune.*

Cutting Corn by Horse Power.

Two runners about 4 ft. long, a platform or top, two steel knives in front set at an angle of about forty-five degrees. The horse walks slowly between two rows of corn and a man on the platform in the

rear of each knife to receive the corn as it falls before the knife; when their arms are full the horse is stopped, the men step off the platform and shock their corn. Two active men and a good horse and cutter will put up from six to ten acres per day, or nearly an acre an hour. A neighbor made such a machine in less than half a day, using the blades of the old-fashioned hay-knife for the cutting plates.

PLEASANT EMPLOYMENT AT GOOD PAY.

The publishers of *SEED-TIME AND HARVEST*, an old established monthly, determined to greatly increase their subscription lists, will employ a number of active agents for the ensuing six months at \$50.00 PER MONTH or more if their services warrant it. To insure active work an additional cash prize of \$100.00 will be awarded the agent who obtains the largest number of subscribers. "The early bird gets the worm." Send four silver dimes, or twenty 2-cent stamps with your application, stating your age and territory desired, naming some prominent business man as reference as to your capabilities, and we will give you a trial. The 40 cents pays your own subscription and you will receive full particulars.

Address *SEED-TIME AND HARVEST*,
La Plume, Pa.

Value of the Holstein.

We will not undertake to discuss the relative qualities of the Holsteins and Jerseys as butter producers, as we believe all are willing to admit that the little Jersey is pre-eminently the butter cow of the world, though she has a strong rival in the Guernsey, while the Ayrshire stands ready to test her qualities also with the Holstein; but the Holstein is a

very valuable acquisition to our dairy cattle for several reasons:

In the first place, the Holstein is hardy and very active for a large animal.

Her dominant characteristic is that of producing large quantities of milk; whole herds sometimes average over forty quarts daily.

They have also been known to yield over three pounds of butter per day, which, however, is not a general trait with them as a class.

They are well suited for beef when their days of usefulness are over, and, being of heavy frame, can be made to attain large weight.

Therefore, as an animal combining butter, milk and beef, it is one of the best; but its chief value is in its capacity to yield large quantities of milk.—*Farm-er's Magazine.*

The Pecan Tree.

As the culture of this tree is becoming quite a successful industry in the South, and a profitable one, it may be interesting to readers to know that the pecan tree is found in a wild state in the woods of the various sections of the South and West. It grows to a very large size and bears yearly many bushels of fine flavored nuts.

Though little or no attention has been paid to these valuable trees, cultivation greatly improves them, the nut growing much larger and improving in flavor.

The pecan tree lives to a great age, and continues long in bearing. It is well adapted to any kind of soil, doing well even on rocky hills and waste land. There is no nut or fruit tree more valuable and requiring so little attention.

In planting the tree, the only object is to obtain good fresh nuts, of a good early variety, of large size, from which to grow the trees. If it is preferred to set out the plants, get healthy trees of a good variety one or two years old.—*Southern Culti-vator.*

For The Maryland Farmer.

SCIENTIFIC SCORES.

It is one of the settled facts that scientific deductions cannot be depended upon when connected with agriculture. The analysis of soils teaches very little, and that little when practically put to the test is as often wrong as right. A fertile soil and one unproductive, of the same general character, show a variation which has been pronounced infinitesimal—which means to the common sense farmer, no variation so far as scientific analysis can discover. Even the analysis of commercial fertilizers from the same handful will vary under the manipulation of different experts—whereas science should be exact.

It is an old saying that science is infallible. As far as it goes its deductions are as reliable as those of mathematics. But as soon as it steps into the agricultural world, it seems to lose its character of infallibility. It no longer can speak with the assurance of mathematical accuracy. Dealing with soils it is suddenly at a loss—the results of the application of chemical compounds to soil are disappointing—it can foretell but little more than the farmer can guess.

Let us conclude that the scientist has very much yet to learn about the processes of vegetable growth and the best conditions for abundant fruitage.

**Small Farms
and Intense Cultivation.**

As long as the people want the best and will pay for it, why not gratify them? What are farmers for but to gratify their consumers?

How can a man with limited horse power cultivate 200 acres and produce anything better than hog feed?

How can any one manure 200 acres with two teams and five cows?

How can a farmer do his duty to himself and family if he don't do his duty to his customers?

If a man can sell \$2000 worth of first class stuff from 50 acres, how much does he lose by selling \$1000 worth from 200 acres?

If a man can't see what sort of spectacles he wants to help him see the gist of the above, what business has he on a farm?—*Germantown Telegraph.*

Can Richness be Fed into Milk?

Several practical answers are made to this question in various experiments tried at the Vermont Station:

One designed to test the effect of heavy feeding of grains on the quantity and quality of milk, was tried with three cows.

Two, Betsey and Dinah, were fed as nearly alike as possible throughout the test.

Betsy shrunk one-third of her yield in two months in spite of heavy grain feeding and gave apparently no more return than she would have had she been receiving a normal ration.

Dinah responded to every additional

pound of meal with an increased milk yield of better quality, the caseine, increasing largely.

The other cow, Daisy appears from the fragmentary record to increase in quantity of milk ingredients as the meal increased. She evidently was an unhealthy cow and died from overfeeding during the experiment.

Here we get the true answer, which is: Richness may be fed into the milk of some cows within a comparatively short time, while the milk of other cows seems to remain unchanged under the heaviest feeding.

We say, seems to remain, because we do not believe that any experiment can be accepted as conclusive on this point that does not extend beyond one period of lactation.

We venture to remark incidentally that the results of churning and analyses show that neither of these cows was what we should call a real butter cow. It took from 19 lbs. 4 oz. to 25 lbs. 3 oz. of Betsey's milk to make a pound of butter and of Dinah's from 25 lbs. 3 oz. to 30 lbs. 7 oz. Good Jerseys will average an ounce of butter to the pound of milk.

The other experiment that gives an answer to this question was designed to test the effect on the quantity and quality of milk of the change from barn to pasture. The result is stated thus:

In general it would appear that cows under the usual Vermont conditions of dry barn feed when turned to pasture may be expected to give more and richer milk, the increase and flow being greatest in new milch cows and the increase in richness greatest in those farther along in lactation, but both quantity and qual-

ity increasing more or less in almost every case.

Neither of these experiments were designed to test the question proposed, hence we regard their answers as of even greater weight because more impartial than if they had been so designed.

We believe that any cow that is not past maturity may be so fed that she will increase the richness of her milk; provided only that she has not already been fed up to her full capacity.

We regard the question as exactly parallel with:

Can speed be fed and trained into a horse?

Until the full limit of the horse's powers are reached, judicious feeding and training will increase his speed.

So until the full limit of a cow's butter capacity is reached, judicious feeding will increase her yield; in other words, will increase the richness of her milk. If this were not so there could be no such thing as systematic improvement of the butter capacity of a breed.—*Jersey Bulletin*.

The Musicians' Guide.

Every music teacher, student or music lover should have this volume. It contains 200 pages of valuable musical information, with full description of over 10,000 pieces of music and music books, biographical sketches of over 150 composers, with portraits and other illustrations. Also a choice selection of new vocal and instrumental music and other attractive features. Upon receipt of eight two-cent stamps, to prepay postage, we will mail free, a copy of "The Musicians' Guide," also a sample copy of "Brainard's Musical World," containing

\$2.00 worth of new music and interesting reading matter. Address

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Mighty in Combination.

There is a substance which is invisible, which has neither odor nor taste, and in fact possesses no qualities of matter except weight and bulk, says the *Journal of Chemistry*. This is the gas nitrogen, which constitutes four-fifths of the atmosphere which surrounds us. It is apparently a dead and inert form or manifestation of matter, and yet it is perhaps one of the most important and useful of the elements, and if it should vanish from the universe life would cease to exist.

This apparent paradox is explained by the fact that by its combination with other elements, the remarkable characteristics of nitrogen are awakened into action.

The gas is neither poisonous, corrosive, explosive, nutritious, nor medicinal; but combined with carbon and hydrogen, it forms the deadly prussic acid; with oxygen and hydrogen alone, the strongly basic alkali ammonia; with carbon, hydrogen, and oxygen, the terrible explosive nitro-glycerine; and with the same elements in varying proportions it forms the albuminoids, the gelatines, the glutens, and other strength giving elements of our food, or the indispensable medical agents quinine, morphine, atropine, strychnine, veratrine, cocaine, and many others.

Although nitrogen is tasteless, it forms an indispensable part of the peach, plum, apricot, and other delicious fruits, as

well as coffee, tea, chocolate, and tobacco.

Without smell, it is found in many of the most powerful and delicious perfumes, as well as in the nauseating odors of putrefaction.

Present in immense quantities in the air, it furnishes little or no support to vegetation, but combined with other elements the amount present in the soil determines its fertility and the amount of crops that can be raised upon it.

Colorless and invisible, nearly every dyestuff or coloring matter known contain it in greater or less proportion.

Harmless and powerless by itself, when combined with another nonexplosive gas, chlorine, it forms the most powerful explosive known, a ray of sunlight to arouse the terrible destructive power.

And yet notwithstanding the pre-eminent importance of this element in the affairs of life, there are but few of its combinations which we can form directly.

Millions of tons of nitrogen are all about us but not a grain of morphine or theine, galatine or albumen, aniline or naphthaline can we make from it.

Only the mysterious vital force working in the natural laboratory of the vegetable and animal organism can build up most of these molecules from their ultimate elements and place the atoms of nitrogen in their proper position like the beams or stones of a building.

Our wonder at the marvelous powers displayed by these organisms is none the less when we see what simple, common and uncharacteristic elements are used by them in making up their wonderful products, and we can only say that it is a part of the great and unsoluble mystery of life.

Neither can we explain satisfactorily from a chemical standpoint the properties

and reactions of this strange element.

By itself it is nothing, but united with other elements, some almost equally in active, the combinations thus produced manifest the most powerful and positive chemical and physical properties. It is like the springing into life of dead matter, but there is no system of chemical philosophy which can give a reason why it is so.

It is the part of the chemist to observe and record the facts connected with the properties of different forms of matter, and in time we may from these facts construct a rational theory, but we are still a long way from a clear comprehension of the phenomena of the universe.

There are about as many things in heaven and earth still undreamt of in our philosophy as there were in Shakespeare's time, and the further we advance toward the end the more the field widens and appears to be of illimitable extent.

Too Much for Whittier.

"I Knew an Irishman in Amesbury," Mr. Whittier said, his eyes twinkling at the remembrance, "who was very much opposed to social equality for the negro. I said to him: 'But there are many Catholic negroes in Brazil, the West Indies and other places. Thy church accounts of them as it does of thee. And thee'll have to come to it in heaven. Thee'll have to meet the negroes there on equal terms.' I thought that I had silenced him with unanswerable argument. He sat musing for a moment, then, looking up at me, 'And can't the Lord make them white in heaven, Mr. Whittier?'"—*Boston Pilot*.



THE BANANA TREE.

Entered as second class matter at Baltimore, Md.

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 AND

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TAKE NOTICE.

The MARYLAND FARMER asks all those who have received bills during the past few months to remit to us promptly. Small sums from numerous subscribers make us glad, and now is the time to meet these little accounts.

WORK AND GOOD PAY.

The MARYLAND FARMER needs a good workman in every community; and reader, does it not mean you?

We will give you cash for work—a

good sum in hard cash for a little easy work.

We offer to you this opportunity to work for us; but if not you, can you not recommend someone?

Our old subscribers can readily secure new subscribers, and at the same time make from five to ten dollars a day for themselves. Does not this mean you?

The leisure days are before you, and during November, December and January many dollars may be added to your income by working for us.

We will make it an object for your neighbors to subscribe so that the work will be easy in every way.

If you wish to work for cash, write us for particulars. We will give such inducements as will be irresistible.

WORK ON.

The farmers' work, now that they have elected their governor, should not be neglected. By a majority of such magnitude as shows how largely the farmers have entered into the field independent of party, they have chosen the Hon. Frank Brown for their governor.

What now is their purpose? what now is their duty? It is to set forth what they wish done in their behalf in such a manner as will impress itself upon the governor and upon the legislature.

We therefore urge upon all farmers' organizations, whether belonging to the name of Alliance, Patrons of Husbandry, or Farmers' Club, to bring up this subject and discuss the mat-

ter in their meetings. Bring the work to a definite form, so that measures may be clearly defined, and the best expression of them be made to our governor.

It is useless to speak in a general way of reforms, or in an indefinite way about inequality of taxation, or favoritism as to laws, for neither the governor nor our legislators can then act understandingly.

In every farmers' club let those matters be discussed which are most in need of remedy. At every grange meeting, at every alliance gathering, take up the subjects and as soon as the general purpose can be determined, place the work in plain words in the shape of resolutions, so that the work cannot fail of being strongly impressed upon governor and legislators.

Take as an example of our meaning the case of taxation in one particular. Let the subject be discussed as to exemption of taxation—shall any property be exempt from taxation? Discuss this subject thoroughly and remembering that every dollar exempted adds to the burden of those whose property is not exempt, and is evidence of favoritism to that particular class, we will suppose one club comes to the conclusion that no property should be exempt.

Then let this club pass such a resolution and communicate with every other farmers' organization, regardless of names, and ask their co-operation.

If there be a substantial agreement on the subject, then let them all join

in asking our governor to recommend to the legislature to pass a law to carry into effect this resolution. Let all join in urging upon our legislators to give us such a law.

We only suppose this case to show what we mean in defining just what the farmers want and making it known to our farmer governor and the legislature.

Don't merely generalize; don't act wholly independent of each other.—That is not the proper way of accomplishing our work. Consult, decide what is to be done, and then unite as one man in urging, in demanding if necessary, that it be made a law.

The farmers' wishes must be so pointed, so expressed, so plainly asserted, that they cannot be misunderstood, and then governor and legislature will have no excuse for neglecting them.

Suppose again, farmers want a law to protect their sheep from dogs. By joining all in one purpose they can easily obtain it. Set forth the facts, then join as one body demanding that every dog found loose after sundown away from its master, may be killed at once; the law holding the deed in no case criminal.

The idea is very clear: Point out plainly—show by the action of the great body of the farmers what is their wish—and don't neglect to let Governor Brown know what is wanted by the farmers.

Write us at once if you wish a fair chance to make money this winter.

PROFITS.

The New York Tribune of Oct. 14, gives quite an interesting account from one of the truck patches of three acres in the city of New York, showing how thousands of dollars are made on such very insignificant lots of ground. The principal crops being lettuce, soup celery, parsley, radishes, corn salad, carrots and beets.

FARM MACHINERY.

The mission of Farm Machinery is in lightening the labors of the farm.

The work within the memory of this generation was one of the utmost severity as compared with the present. Much of it depended upon the strength as well as the skill of the farmer.

The swinging of the scythe was a matter of physical endurance, and the sickle and cradle in the grain field were trying in the extreme, while the patient plodding during the long days behind the plough was something fearful to the weak and ailing.

The young farmer of the present day does not realize what the years of a single life-time have done in relieving these burdens of farm labor. The swinging of the scythe is an almost forgotten art, for the mower now is moved by the horses while the farmer sits at his ease. In the grain field the work is even more perfect for while the farmer rides in comfort shaded by his mammoth hat, the reaper moves along cutting and bind-

ing the sheaves—in some cases cutting, thrashing and bagging the grain.

The mind has taken the place of muscle—brain instead of brawn—so that a child with the aid of a team may now do the work of several men.

Work is lightened, but two important factors remain to be considered. Skill is required in the farmer, and a better knowledge of all those mechanical principles which are necessary in the use of his machines. Then, he must have a larger expense account in the purchase of implements, so that the immediate use of money is necessitated to a much larger extent than in former years, and the money of the farmer accumulates slowly.

Machinery, however, is not an unmixed good. It is a great good so far as physical labor is concerned, but it is a source of constant anxiety, while it places in jeopardy by indebtedness any success though earnestly planned.

It has brought into existence firms which by mutual association gobble up a large part of the farmers' profits, until the ease of labor is offset by the perpetual anticipation of wants and disaster.

Politically, in large measure these manufacturers have contrived to secure a majority of the Senate and the House in their interest and they are well and comfortably entrenched behind all legal helps to prosperity at the farmers' expense.

The day however approaches when lightened work in the field will not mean oppressive burdens on the mind

and heart by reason of excessive charges for machinery.

May this day be hastened!

CRIMINALS AND ROADS.

We believe that it would save a large amount of expense to the tax payers of Maryland if laws were passed by which criminals and tramps should be put to work in making permanent roads throughout the State.

It would do away with a large amount of dissatisfaction as to the employment of prisoners in our penitentiaries and jails, while it would gradually build up the best roads all through the State as an invitation to immigration.

Criminals could not at once take all the work of road making; but if such were the law, it would gradually cover the State with roads of a permanent character, needing little subsequent attention which they in the end could give.

We believe nothing but the necessary law is required to commence a system which will relieve the farmers of Maryland of heavy road taxes and provide the State with the very best grade of highways.

LORD & THOMAS.

Advertising Agents, Chicago, Ills., have issued a "Cream List" of Agricultural Journals, unique, beautiful and just the article needed by all advertisers in that class of papers. We are proud to find the MARYLAND

FARMER in this catalogue, and accept the words of praise with thanks. As the only Agricultural Journal in Maryland of such importance as to be placed in this Cream List, we venture to ask the favor of advertisers both at home and abroad.

OBJECTS FOR THE FARMER'S LABOR.

We read frequently about farmers as a lazy set of men. Laziness is a disease not confined to any particular class and we find it sometimes with the farmer and quite as often with the city dweller. As a general thing, however, the labor of the farmer is heavy and for a good part of the year exacting in its demands.

But why does the farmer labor?

What are the objects he should have before him? Big crops, fine stock, abundant fruits, prize vegetables, we hear about of course; but what is there behind all these? These and the money they bring are of course to be considered; but they are only means to an end, if rightly considered.

The first object is surely to secure a good living from the farm for his family and for himself. Whatever provisions may otherwise be made, and whatever projects may be undertaken, still this purpose should take precedence of every other, and the best of all that the farm may produce should be considered as belonging to the family for their own use.

Then his object should be to lighten the labor in his own home. The

women as a general thing have the heaviest work, without those improvements which make labor in the fields but little more than a pastime. Some inventions have been secured, but home labor is still far behind that of the outdoor farm work as to conveniences and helps.

The next object should be to secure the comforts and necessities of his home life. It is a shame that when he returns after a hard day's toil that he should see around him scarcely any of the real necessities of a civilized home and none of those articles of furniture which make rest in the home a comfort or a luxury. There is a reasonable field here for suggestive remarks.

Then come the demands of the farm. Those implements by means of which the greatest burden is cast from the man upon the horses, in the harvesting of crops, should be obtained.

Next, add to the home what we might call the higher necessities of life, such as plenty of good reading, pictures, ornaments, music and all those small but refining influences which are elevating in their nature.

All that can make of life a season of rich and true enjoyment is worthy of thought, because life is truly only a portion of the time given us in which to work for that deep and lasting happiness, which shall crown us as reasonable men and women.

A Good Book.

Dauchy & Co., New York, favor us

with their catalogue of American and Canadian Newspapers. It is a great convenience for advertisers in that it provides space for record opposite each paper in the body of the book. Besides it is not so loaded down with advertisements as to be cumbersome. Success to Messrs Dauchy & Co.

Texas Wheat.

The indications are for a much smaller wheat acreage this fall than last, the weather during September has been very unfavorable for plowing, and the drouth of the year has existed in nearly every wheat growing county in the state, and the fields could not be as well prepared as they were last fall, nor as should be.

—*Texas L. S. Journal.*

Ice Houses.

Messrs Moseley & Pritchard, manufacturers of butter making specialties, Clinton, Iowa, have sent us a sheet containing five articles on building Ice Houses and packing Ice. They will send it to any who wish information on the subject who will send them their address on a postal card.

Pulled the Harness off.

Popular comment on our roads.—M. F.

Mr. Potts on the Barnhart farm at the head of Big Slackwater, has 1,500 bushels of wheat which he cannot get to the mill on account of the impassable condition of the roads.

Yesterday he pulled the harness off of all four of his horses, trying to get his wheat to Emmart's Mill on the C. V. R. R.—*Hagerstown Mail.*

Is Clover Properly Estimated?

It is an error to look upon the clover plant as being too gross—made up too much of wood fibre and water—to be of great value as food for live stock.

It is a rapid grower when once its roots have got hold of the soil, and this rapidity in its growth misleads many to suppose there cannot be much substance in a plant so rapidly formed.

It is not duly considered that the roots of the clover plant are much more abundant, a larger number of root fibres belonging to each plant than to any other of the same size and extent; and hence while the growth is very rapid and the size attained to, large, yet due allowance must be made for the legitimate efforts of these far-reaching and deep penetrating feeders.

The moderate growth of any grass, being peculiar to it, should be taken as evidence of its dwarfed nature, rather than that its diminutive size necessarily entitles it to high consideration for feeding purposes. Yet, of course, the rapid and rank growers may, doubtless, to a degree, be put down as less nutritious, bulk and bulk alike, than some plants of more moderate growth.

It has been established by careful trials that the roots and stubble on an acre of clover sod, taken to a depth of ten inches, all earth being carefully removed, had a weight of 9,000 pounds. Its value, therefore, when we need its aid in improving the porosity of soil, as well as in adding constituents taken away by continued cropping, is very great.

The most compact clays are rendered, to a degree, mellow, not attainable by any other mode, except possibly by hauling and incorporating a large amount of

sand with the soil, an undertaking that no land owner can afford, especially when we can, from the compact clay itself—drawing co-operative aid from rains and from ground-air and outside atmospheric air—grow 9,000 pounds of the very material we need to not only mellow but to enrich the soil.

When we give proper consideration to the well being of our land, we will in every instance, give preference to clover, because of its habit of going deep down for available material while other grasses spread out through the surface soil, exhausting it of available material.

Not only this, but the roots deposited deep down, as they decay, honeycomb the hard clay subsoil, preparing avenues through which water penetrates and is held in reserve.

Clover requires care in curing, but by carefully observing the weather, cutting it immediately after a heavy rain, dry weather in prospect, it can be saved in good order.

That it has great fattening properties when in the green state, all know. It should be remembered that nothing is parted with in the curing process except water.—*G. S. in Prairie Farmer.*

Cleaning Lace

To clean the most delicate lace, spread the lace out carefully on wrapping paper, then sprinkle it carefully with calcined magnesia; place another paper over it and put it away between the leaves of a book for two or three days. All it needs is a skillful shake to scatter the white powder, and then it is ready for wear with slender threads intact and as fresh as when new.

A Useful Household Article.

The Enterprise Meat Chopper advertised in this paper, is especially adapted to family use, in preparing all articles, from chopping sausage meat to mashing potatoes. For full information send for one of their illustrated Catalogues.

Money in Cabbage and Celery.

"Blood will tell." Good crops cannot be grown with poor strains of seed.

For sixteen years Tillinghast's Puget Sound Cabbage, Cauliflower and Celery Seeds have been gaining in popularity.—The most extensive growers all over the Union now consider them the best in the world. A catalogue giving full particulars regarding them will be sent free to anyone interested. When writing for it enclose 20cts in silver or postage stamps and we will also send "How to GROW CABBAGE AND CELERY," a book worth its weight in gold to any grower who has not read it.

Address ISAAC F. TILLINGHAST,
La Plume, Pa.

Saving and Buying Seed.

We are asked a question that is frequently put to us: "Is it better to save or purchase seed?"

We cannot answer the question for anyone with whose habits we are not familiar. If we save our own seed we know just what we have. We can save, too, the very best of seed if we have produced it. But after gathering the seed if we do not take proper care of it, it is far better to purchase our seed.

Producing and saving seed of the very best variety is a profession.

It is a fact that the habits of some are so imperfect that they would not preserve the best seed even if they have produced

it. Sometimes this is the result of habit. We get accustomed to growing some old, inferior variety and think it best. Under such circumstances it is a blessing to have the seedman lead us into better ways.

But if we attempt to save seed we must keep them in a cool dry place.—*Western Rural*.

November 26, is Thanksgiving day.

Improved Hogs.

The fame of the Ohio Improved Chester hogs continues to reach foreign countries. After making shipments of this famous breed of hogs into various parts of Canada, South America, Mexico and Europe, The L. B. Silver Co., Cleveland, Ohio, recently sold a pair to Senor Jose P. Perez, Santa Clara, Cuba, who is one of the many enterprising agriculturalists of that Island. If any of our readers desire a description of this famous breed, write the Company, as above.

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Large Order for Turbines.

One firm recently ordered 18 large Water-Wheels of James Leffel & Co., of Springfield, Ohio, builders of the famous James Leffel Wheel. A large Wood Pulp Mill, now under construction in Wisconsin, will use these Wheels. This new enterprise is situated near large quantities of suitable timber, and where ample water-power can be obtained. We are pleased to record this fine output of one of our old time friends.

**MARYLAND
at the
WORLD'S FAIR.**

We believe one of the greatest opportunities for the benefit of our State will be afforded by the World's Fair at Chicago, and that it is a duty of our State Legislature to make ample provisions for representation. We shall have considerable to say on this subject in future numbers of our Magazine.

**A MOST REMARKABLE
POSTOFFICE.**

Hunt up on your map of South America the Straits of Magellan, look at the mountains hanging over, imagine the point of rock that leans the farthest out, and think of a barrel hung by a heavy chain swinging there. That is a post-office. No postmaster stands there to deliver the mails, and no postman unlocks it; in fact, it has no key. Yet it is a grand old postoffice.

Ships coming along that way stop,

and their captains take out packages of letters that have been dropped therein, see if they can find any that want to travel their way, and if so, they take them on; in their place they leave a package which is to go in another direction, and some day the officers on a ship passing that way will take that on. So the barrel swings, doing its duty day by day, without being watched, sending joy to many hearts.—*Rockford Herald*.

An old darky said when he saw the electric cars, "The Yankees is great people; they wa'nt satisfied ter free de nigga, and they've done gone and freed de mules."

Oh, What a Difference.

Perhaps some of you read the accounts of the six days' bicycle race in New York. Silly, wasn't it? for men to ride until they were so overtaxed that they fell asleep as they rode.

What do you think was the benefit of these races?

One can think at once of the enormous demands upon the system made in this way which will have a permanent injury.

Talk about the follies of women and how they injure themselves and the next generation!

Women will never be so silly as this.

When they take exhaustive six-day tasks it is in behalf of some sick relative.

Then they go sleepless and without due food, but it is for a good reason, not for personal vanity.—*Mass. Ploughman*.

The Philadelphia mint coined 94,000,000 pennies last year.

KITTY KNEW ABOUT SHEEP.

“ Seven sheep were standing by the pasture wall,
 Tell me,” said the teacher, to her scholars small,
 “ One poor sheep was frightened, jumped and ran away—
 One from seven—how many woolly sheep would stay?”

Up went Kitty’s fingers—a farmer’s daughter she,
 Not so bright at figures as she ought to be—
 “ Please, ma’am,”—“ Well, then, Kitty, tell us if you know.”
 “ Please, if one jumped over, all the rest would go.”



LOBELIA SAM.

“ Sarah ! Sarah Ann, I say !”
 The clickerty-click of the sewing
 machine suddenly ceased, and a pleasant
 faced girl appeared in the sitting-room
 door.

“ What is it, Mother ?” she asked as
 she caught sight of her mother’s troubled
 face.

“ Just—look—at—that !” catching her
 breath between each word. “ I was sure
 there was cake enough for supper, but
 that’s all I find,” and she eyed the bro-
 ken bits ruefully.

“ There was plenty this morning, I cut

only two slices from the loaf for Nellie’s
 and little Joey’s dinner. It has been
 stolen again.”

“ I don’t see how rats—” began Mrs.
 Foster.

“ Rats !” sniffed Cynthia Ward senten-
 tiously as she went through the room
 with her basket of freshly folded clothes.
 Sarah laughed merrily, and even her
 mother smiled.

“ Well, talking w'lil do no good.” said
 Mrs. Foster glancing at the clock. “ It’s
 nearing five o’clock and the men will
 soon be in from the field. Shut the oven

doors, Sarah, and stir the fire. I'll beat up ginger puffs, they'll bake in twenty minutes. Your father won't scold if supper is a little late."

Long before she had finished speaking, Mrs. Foster was at work, and the last word came back from the pantry to the accompaniment of a vigorous beating.

"I declare for it, Sarah Ann, if that isn't a shame!" exclaimed Cynthia Ward, with the familiarity which often characterizes New England "help" as she and Sarah were laying the supper-table together. "To think of the good victuals your ma always has, and plenty of 'em too!"

If she was as close with her menfolks as Mis' Deacon Wilkins is, I shoun't wonder at it; but her tables are always just loaded.

It's their own fault if they leave the table hungry."

"Whose fault, the rats?" asked Sarah mischievously.

"Two-legged rats. I think it's time a trap was set for'em."

"So do I! I wish we could, and catch one too. We'd put a bell on him."

"It's that Sam Slick, and I know it," said Cynthia as she disappeared down the cellarway.

Five o'clock brought the men from the hayfield. Tired and warm, they enjoyed resting a few moments in the cool dining room. Sam Slick came in last, as usual. He had stopped to part his long hair exactly in the middle, and to curl the ends of a still lighter mustache, for, with the conceit that usually accompanies light blue eyes, Sam thought himself, very fascinating to the ladies, especially to Squire Foster's eldest daughter.

"I shall know Miss Sarah made these cakes; they are delicons," drawled Sam, with what was intended for a sweet smile, as he helped himself for the third time.

"You are mistaken for once. Mother made them."

"Like mother, like daughter. What greater praise can I give either?" said Sam with a smile more than the first.

"O, fudge!" said Sarah contemptuously.

The men all laughed, but Squire Foster frowned. Sarah was the idol of his heart and Sam was getting rather bold.

It was evident the next morning that Cynthia had something on her mind. She gave Sarah numerous sly nods and winks, that were very mystifying, but it was not till the children were off to school and Mrs. Foster had gone to the dairy house that she unfolded her plans.

"I've thought it all out," she said as soon as they were alone. "If the rats are getting so bold and knowin' as to open cans and peek under pans, I think it's time something was done about it."

"So do I, but what can we do?"

"Set a trap."

"How."

"That's what I've been planning. I've been up into the garret and found some dried lobelia. It's on the stove steeping now. Can't you smell it?"

"Whew! yes. I didn't know what smelled so. But what are you going to do with it?"

"Put some in some cakes when it's steeped enough, and put them where the rats found the others. I want it to be good and strong, but I shall put some caraway in to kill the scent."

"But wont it kill him?" asked Sarah in dismay.

"Who, the rat? No 'tisn't poison; but twill make him sick."

"Hope it will," said Sarah, entering heartily into the fun of the thing. "I'll help make the cakes."

She had noticed the frown on her father's face the night before, and knew well enough that Sam's stay with them was short; but, if he was the thief, as she and Cynthia thought, she would gladly have him exposed before he left.

If Sam had known how closely Sarah watched his comings and goings that day he would have felt flattered. In the middle of the afternoon he came to the barn with a load of hay, and as was his wont, walked back to the field stopping at the house on his way for a drink of water.

Sarah hurried to the store-room and met Cynthia coming out.

"The trap is sprung! Three cakes are gone!" she whispered excitedly.

"O, it almost frightens me to think of it!" exclaimed Sarah no less excited.

"I am glad of it, though; I like to have people brought out, if they are really guilty."

The day was hot and sultry. A few heavy clouds loomed threateningly up in the southeast, while distant mutterings of thunder could now and then be heard.

"Going to get a shower, Squire?" asked Gibson as they tossed the fragrant hay into convenient tumbles.

"Not before night, I think," replied the Squire as he stopped to wipe the sweat from his forehead. "Hope we can clear this field first."

"We can if nothing happens," returned Gibson. "But what ails Sam? Is he in a fit?"

He might well ask, for Sam had thrown himself on the ground and was rolling

about in agony, while his groans were fearful to hear.

Squire Foster hurried to his side.

"What's the matter, Sam?" he asked, "are you sick?"

"Ooo!" groaned Sam. "I'm going to die! I'm going to die!"

"I guess not," said the Squire.— "Frank, unhitch the old mare from the rake and go for the doctor. Drive the cart up here, Gibson; there is enough in it for a soft bed; we'll take him to the house."

It was an interesting spectacle they made as they entered the door-yard, Gibson guiding the slow oxen, and Squire Foster trying his best to keep the writhing, twisting, groaning Sam from precipitating himself from the hay cart. Fortunately, Frank met the doctor before going far, and he joined the procession, driving in his usual dignified manner.

"What is it? Is anyone hurt?" anxiously inquired Mrs. Foster as she hurried out, camphor-bottle in hand.

"Oh! I'm so sick, so sick!" groaned Sam. "I'm going to die! I'm going to die!"

"What have you been eating?" asked Dr. Harris, after looking Sam over, professionally, for a few minutes.

"Nothing! nothing! I'm going to die!"

"Has he fallen or received a blow on his head in any way?" he next asked of the Squire.

"Not that I know of. Perhaps he has been drinking too much ice water."

"It must be he has been poisoned," interrupted Mrs. Foster, who had been watching Sam's contortions. "There is poison-ivy down in the swamp, you know, John."

"It doesn't act exactly like poison—" began the doctor slowly.

"There is no poison about it," said Sarah stepping forward. "I think I know what ails him. We have been missing things from the storeroom—cakes and pies and other things—at different times, and so to day we set a trap for the thief. We made some cakes and flavored them with lobelia and put them where the others were: they are missing now, and somebody is sick, it seems."

"It won't do him any harm, sir," put in Cynthia, who could keep quiet no longer. "Lobelia never kills anyone."

There was a moments pause, then such a shout as went up startled the swallows in their nests under the eaves. Dr. Harris laughed till the tears run down his time worn cheeks.

Sam managed to get on his feet and crawled away toward the barn amid the merriment. There the Squire found him at night and tried in vain to get him to go to the house for his supper. He was not hungry, he said, and if the Squire would settle with him he would rather not work any longer. This he was only too glad to do, and before morning Sam was gone.

Squire Foster advised the boys not to say anything about the affair, but somehow the story leaked out and Sam Slick was known ever after as "Lobelia Sam."

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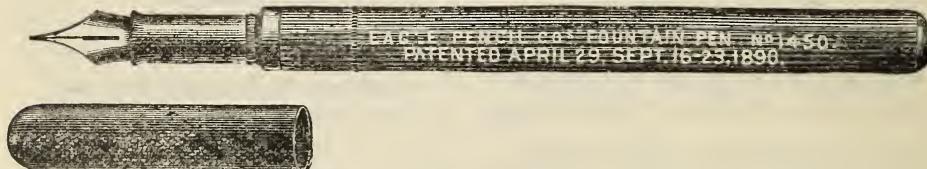
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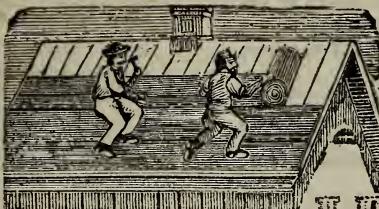
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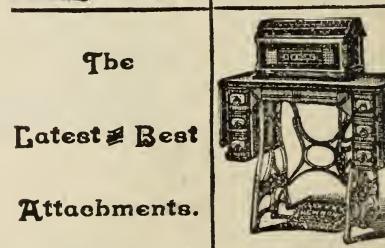
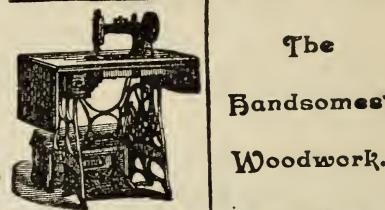
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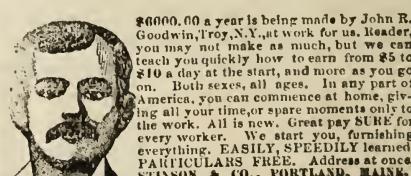
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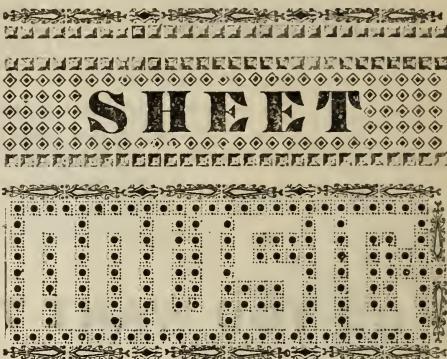


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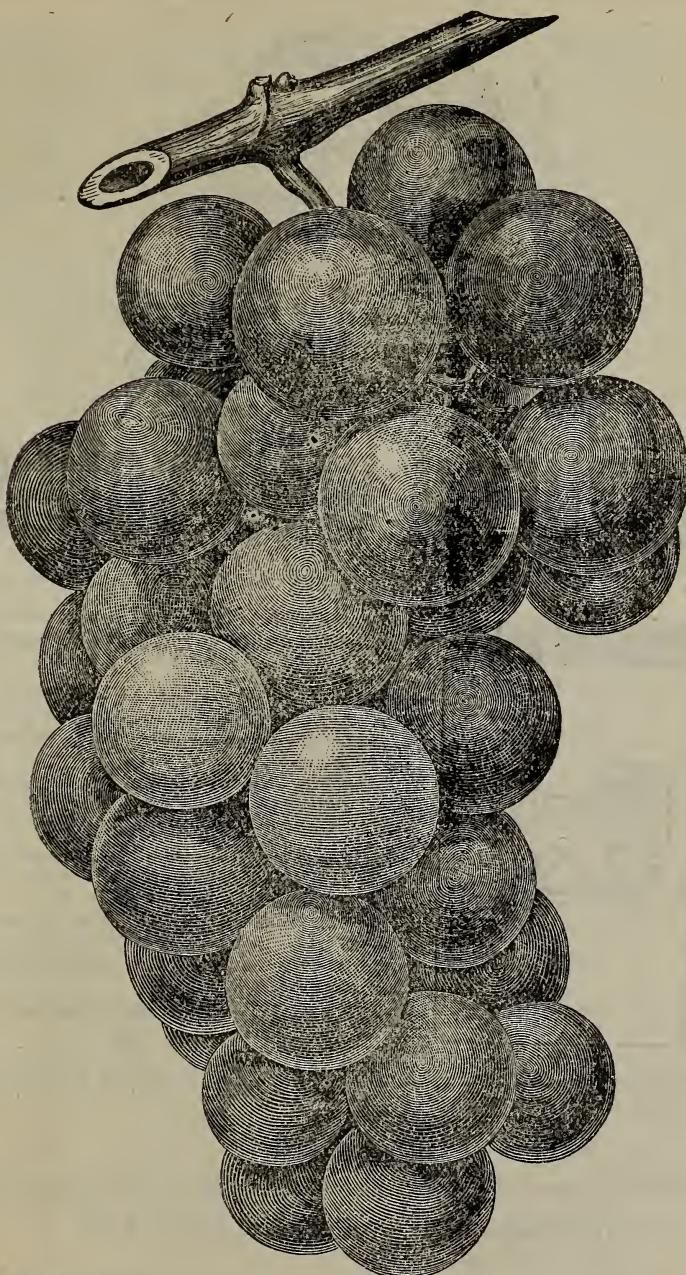
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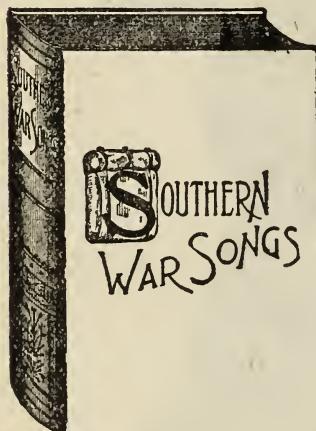
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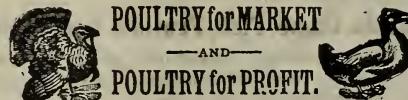
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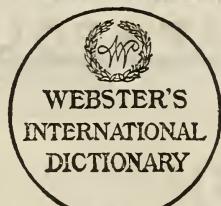
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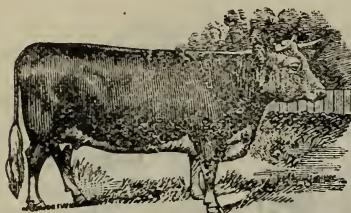
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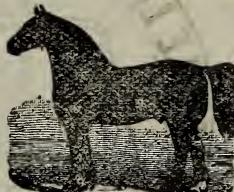
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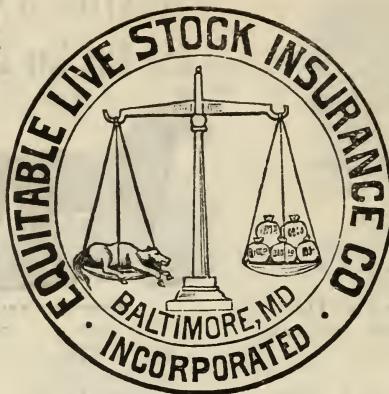
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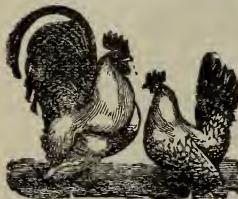
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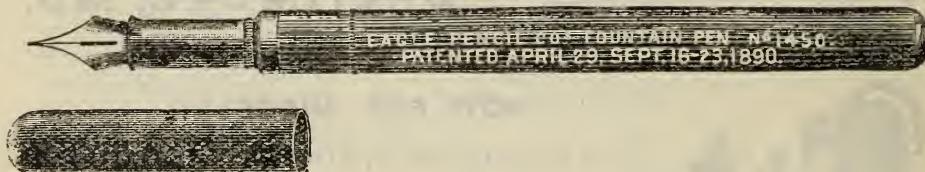
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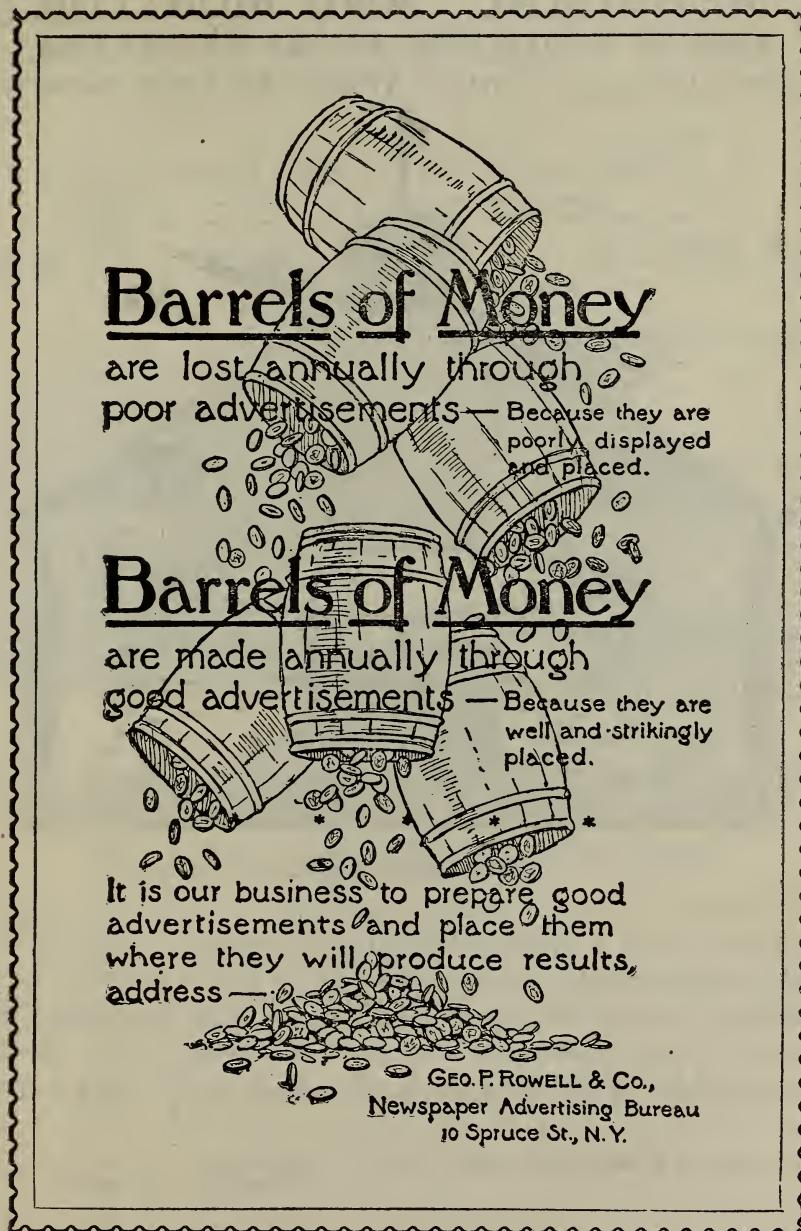
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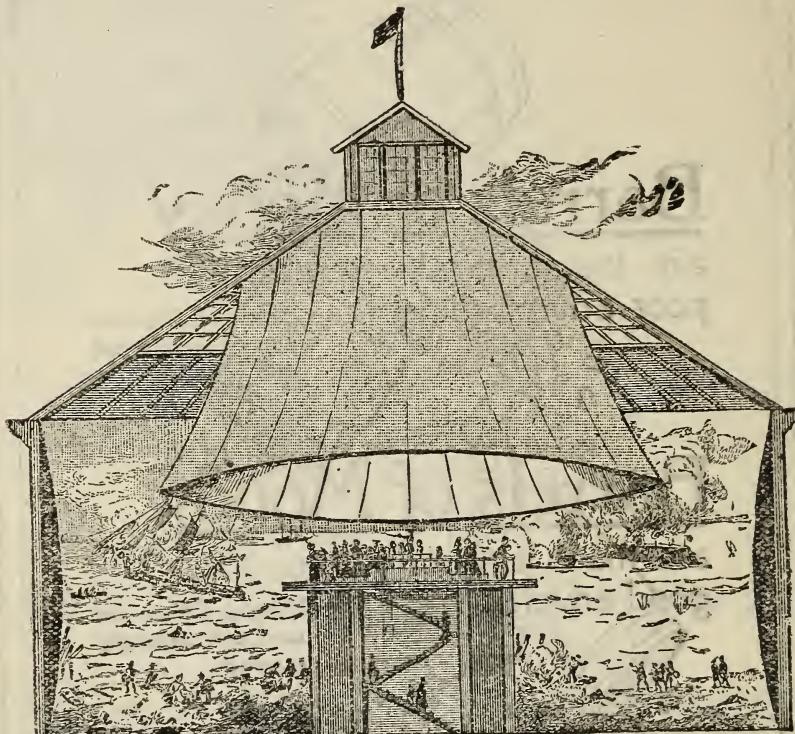
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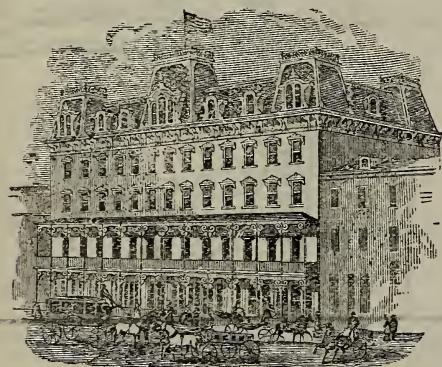
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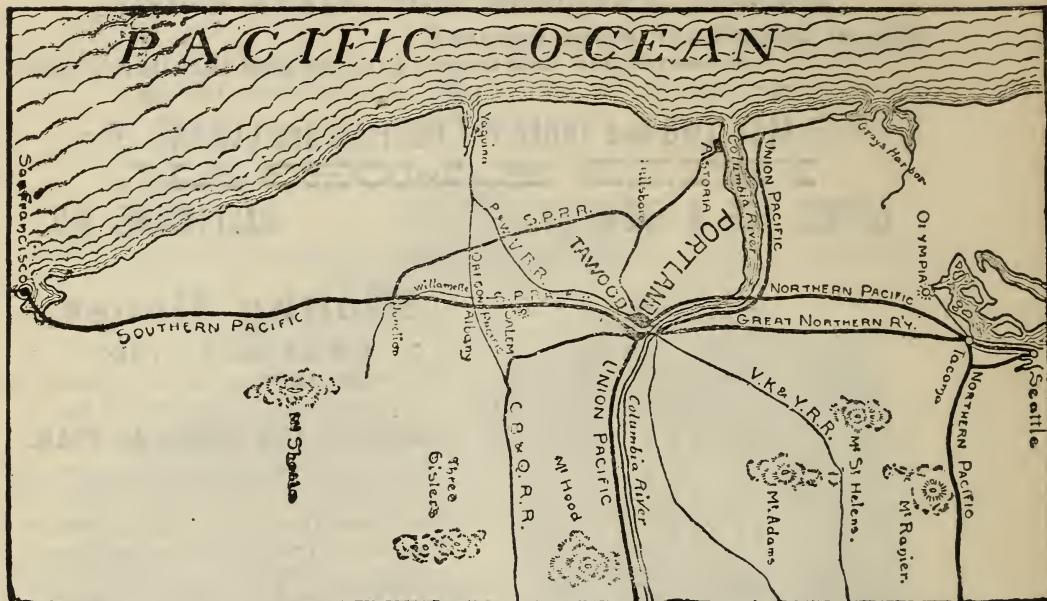
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(Of the late firm of Canfield Bros. & Co.)

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“A LAND FLOWING WITH MILK AND HONEY.”

♦ PORTLAND. ♦ OREGON. ♦



THE GREAT WESTERN RAILWAY TERMINUS!  
 THE GREAT PACIFIC SEAPORT CITY  
 Real Estate is the Basis of All Wealth!  
 20 TO 30 PER CENT, CAN BE MADE ON MONEY INVESTED IN PORTLAND  
 99 Per Cent of Those Investing in Real Estate Make Money---  
 87 Per Cent of Those Investing in Business Lose Money!

A COMMERCIAL CENTER is the safest place to invest in real estate, especially when such place is a great railway center; has good river transportation and large foreign and domestic shipping.

PORTLAND, OREGON, is now the recognized commercial center of the Pacific Northwest. In natural resources, in location, and in rapid growth this city leads. As a port of entry and a railroad center it excels every other city west of the Mississippi river.

Portland has never been boomed. The growth is legitimate as it is rapid. In 1770 Portland had 16,000 population, to-day it has at least 80,000. In five years she will have 200,000 to 300,000 people within her limits.

Portland is now or soon will be the terminus of more trans-continental railroads than any city in the United States. This may seem extravagant, but it is a fact, just as we state it.

1st. THE NORTHERN PACIFIC, direct from all points East to Portland. 2nd. THE UNION PACIFIC, and 3d, THE SOUTHERN PACIFIC, each end their great systems in Portland. The C., B & Q., The Rock Island, The Northwestern and Great Northern, will soon reach Portland and make this their Pacific Coast terminus. All these companies do or will reach Portland over their own lines. They may, and do reach other cities

over other lines, but all of them do not end in any one city in the Union nor does an equal number of extensive systems meet and terminate in one city as in Portland. Truly, she is destined to be a great city.

As many thousand people are seeking good investments for both large and small sums of money, and as there is no investment equal to that of real estate; and as Portland, Oregon, is the solid, growing commercial city of the Pacific Coast, and as her population is rapidly increasing, and as big money can be and is being made by investing in suburban lots and holding for a time, we have devised a plan to enable non-resident investors to make double the money they could make by simply buying town lots.

### THE TAWOOD REAL ESTATE CO., PORTLAND, OREGON,

Has the best plan for investors yet devised. You never read anything more explicit and simple. It is absolutely safe, and cannot fail to be profitable to those who invest.

**Capital \$300,000. 6,000 Shares at \$50 Each.**

The stockholders of this Company in Portland are well known, reliable men. The managers of this enterprise are responsible, and in this special field have invariably had good success, showing business tact and good judgment. We will furnish you certified statements of companies organized by the same management as this company, showing when they were organized, amount of capital and profits realized. The success of these companies is a sufficient guarantee to justify you in making an investment in the stock of this new Company. We have decided to place one-half of the stock in this Company throughout the Eastern States that we may bring before the general public the advantages offered by Portland, Oregon. We can brag on Oregon, and many are ready to bet on Portland. If you have "some of the hog" you can help us bring before the world the fact that Portland, Oregon is backed by more natural resources than any other commercial city west of the Mississippi river. If you buy stock of this Company you are one of the original purchasers. You buy acres and sell in lots. Then suppose you wish to buy lots and surrender your stock in payment. Here again you have an advantage. **The Company will take its own stock in payment at one dollar and forty cents (\$1.40) on the dollar** for lots at the schedule market price, or at the price at which the Company is selling lots to other parties.

**Shares for Sale at Par value \$50 Per Share, Full Paid Non-Assessable**

**WE WILL NOT**

Sell a share of stock at less than par value, (\$50 per share), as the Company's capital stock is not inflated or watered, but every dollar of its capital is backed by solid Real Estate investment.

**How Stock is Paid For**

20 per cent of amount you wish to invest with application for stock. Name some responsible bank in your own locality where you can pay balance in 30 days and receive a rebate of 3 per cent. or you can pay balance in installments of 10 per cent each month. Full particulars showing our different plans of payment furnished upon application.

**True Story Fully Verified—What has been done and What may be done Here.**

F. O. McCOWEN, Attorney at Law, Oregon City, Or.

To Whom it May Concern:

T. A. Wood induced me in 1883 to invest \$1,200 in a suburb of Portland, Oregon. I have made \$43,500 out of the above investment, \$3,500 in cash, the balance in real estate.

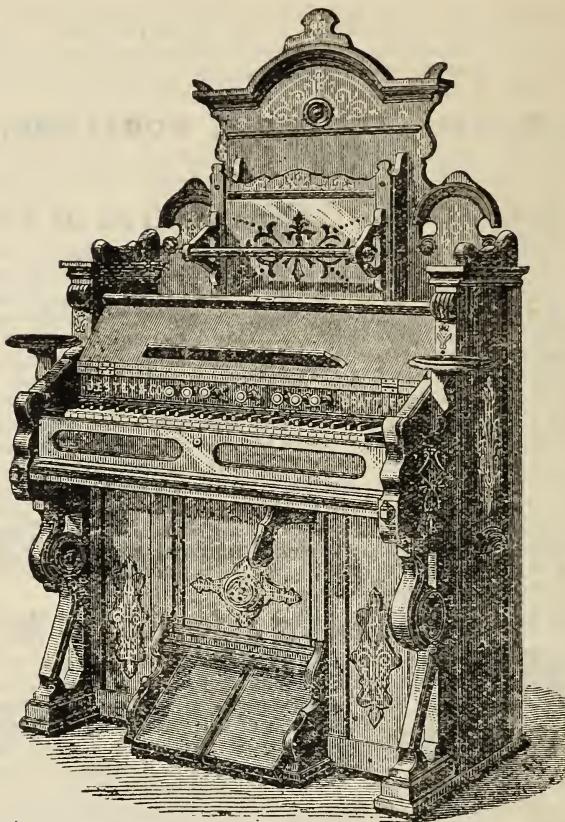
I have known T. A. Wood of Portland for 37 years, and so far as I am informed all who have purchased of him or through him have done well.

The following well known citizens of Portland will testify to the truth of the above statement; also to the success of other real estate enterprises conducted by the same management as the Tawood Real Estate Company: Wm. McFall, Secretary Sellwood Real Estate Co.; Joseph L. Melrath, Secretary Portland Real Estate Association; E. T. Hows, Capitalist; H. W. Scott, Editor "Oregonian;" H. L. Pittock, Manager and Treasurer "Oregonian;" S. J. Barber, President West Portland Park Association.

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THE MARYLAND FARMER,

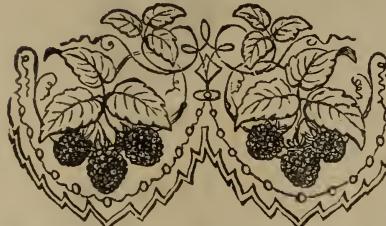
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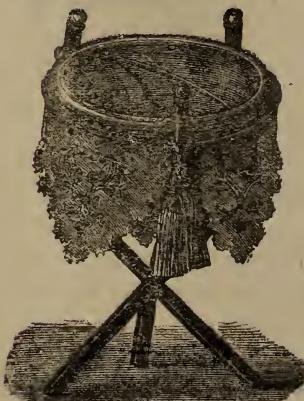
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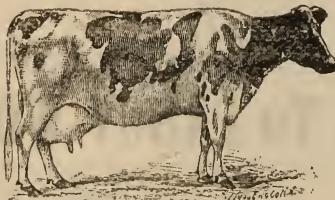
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R. Wormly, of Mendota, Ill., the largest poultry dealer in the world, has the following to say about Stonebraker's Chicken Powder: "I have used and sold Stonebraker's Chicken Powder for 30 years and know it to be the best in use." Not good for horses, cattle, hogs, nor sheep; but the best preparation in the world for chickens, turkeys, ducks, geese, and all the feathered tribe. Makes hens lay all winter. Price, 25 cts.



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